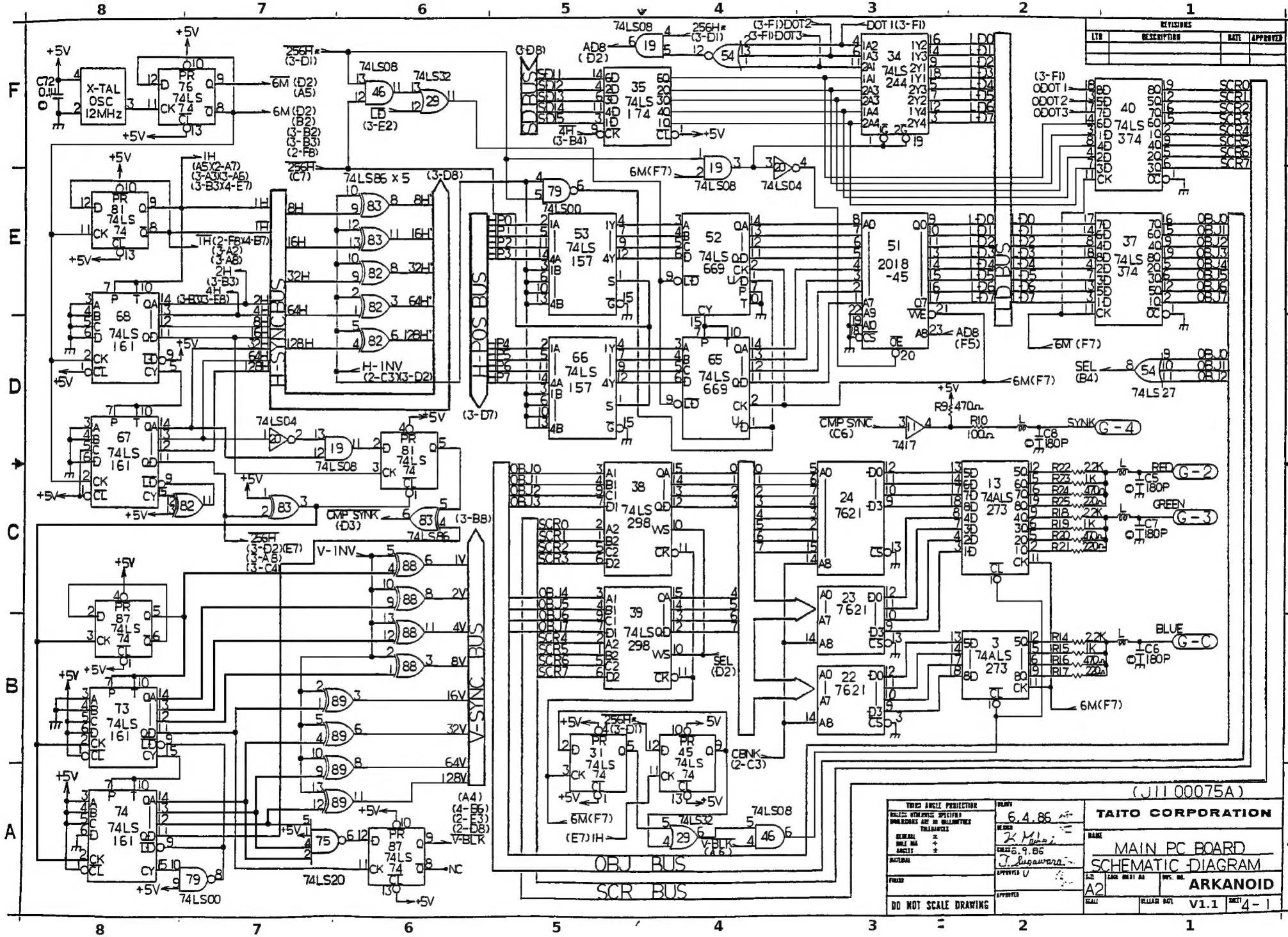
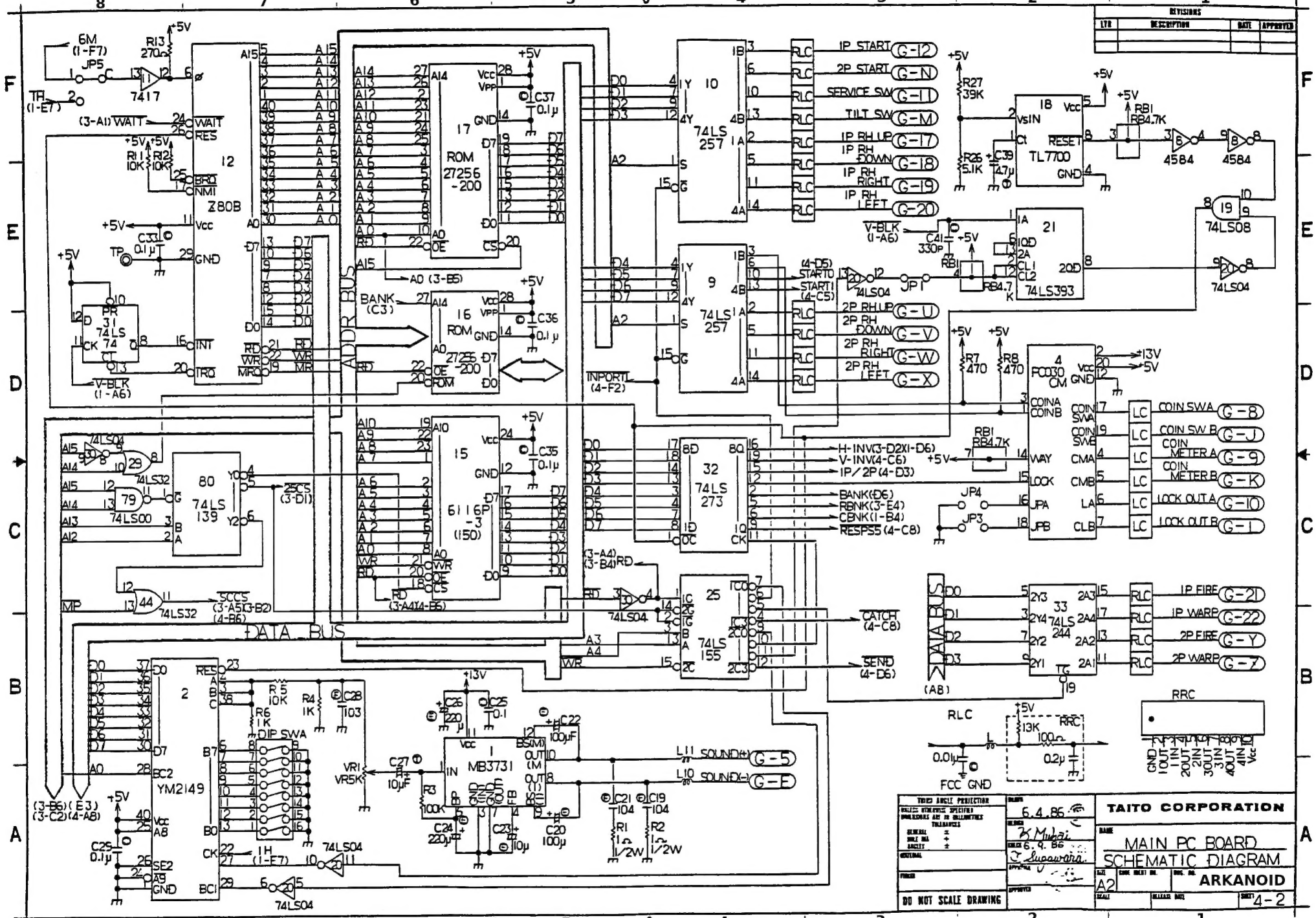
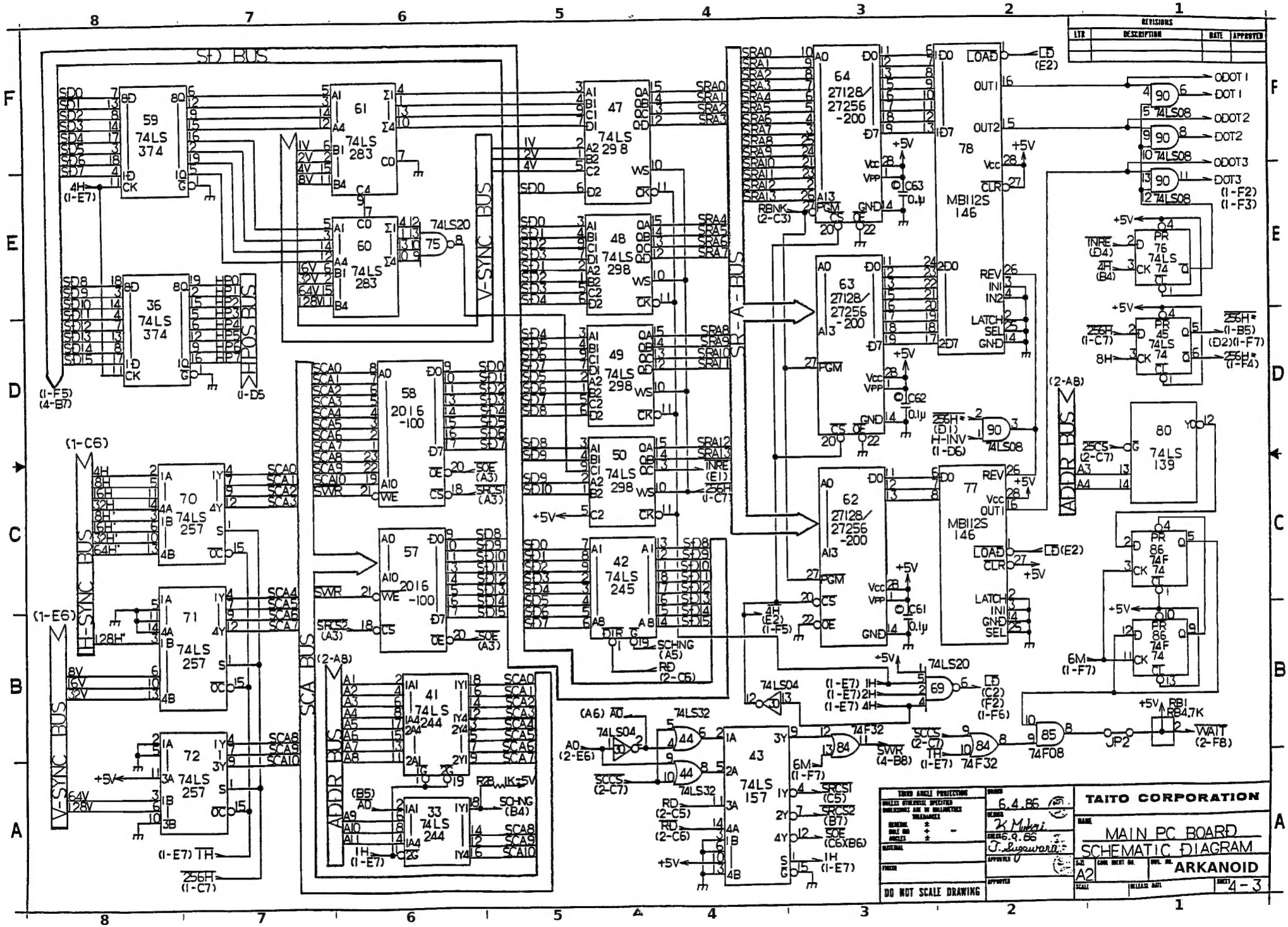
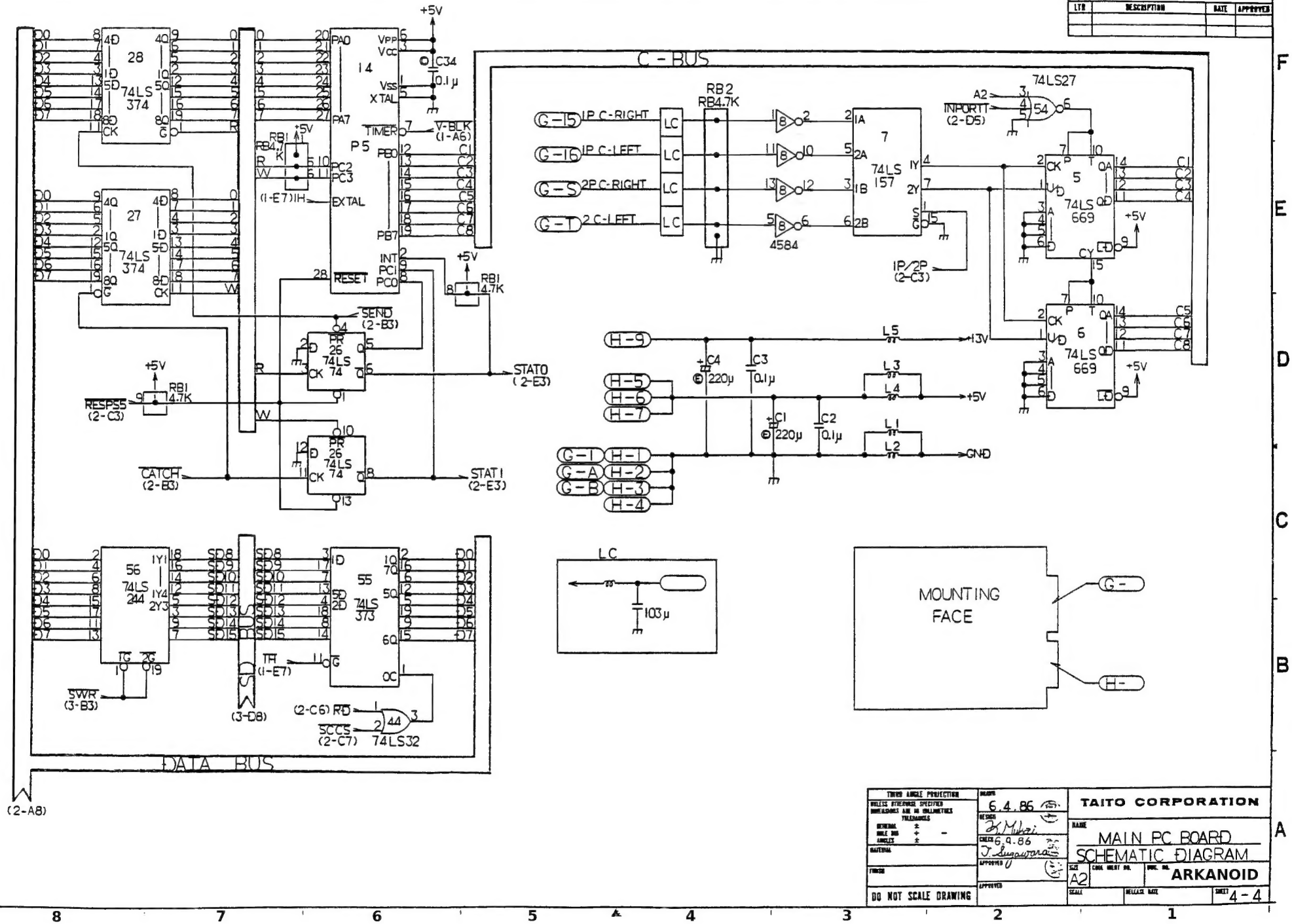

X-TAL OSC 12MHz
74LS161
74LS74
74LS86 x 5
74LS00
74LS04
74LS08
74LS32
74LS20
74LS27
74LS157
74LS669
74LS174
74LS244
74LS374
74LS273
74LS298
74LS7621
74LS7417
2018-45
H-SYNC BUS
H-POS BUS
V-SYNC BUS
OBJ BUS
SCR BUS
R9 470Ω
R10 100Ω
C8 180P
C5 180P
C7 180P
C6 180P
RED
GREEN
BLUE
SYNK
CMP SYNC
V-BLK
CBNK
SEL
(J1100075A)
TAITO CORPORATION
MAIN PC BOARD
SCHEMATIC DIAGRAM
ARKANOID
V1.1
4-1
DO NOT SCALE DRAWING

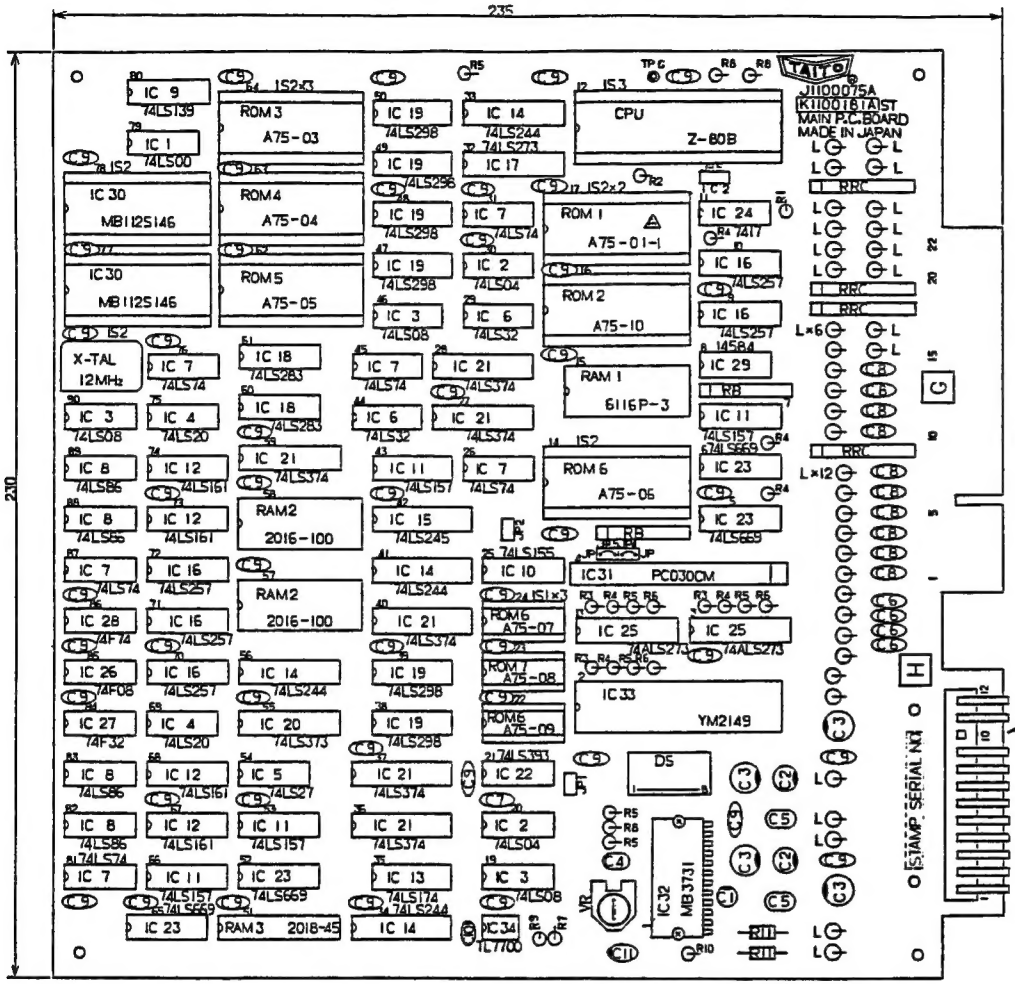

TAITO CORPORATION
MAIN PC BOARD
SCHEMATIC DIAGRAM
ARKANOID
A2
4-2
DO NOT SCALE DRAWING
6.4.86
6.9.86
REVISIONS
LTR
DESCRIPTION
DATE
APPROVED
+DATA BUS
ADDR BUS
DATA BUS
Z80B
ROM 27256 -200
6116P -3 (150)
YM2149
MB3731
74LS 257
74LS 273
74LS 139
74LS 155
74LS 244
TL7700
74LS393
4584
74LS08
74LS04
74LS32
74LS00
PC030 CM
IP START
2P START
SERVICE SW
TILT SW
IP RH UP
IP RH DOWN
IP RH RIGHT
IP RH LEFT
2P RH UP
2P RH DOWN
2P RH RIGHT
2P RH LEFT
COIN SW A
COIN SW B
COIN METER A
COIN METER B
LOCK OUT A
LOCK OUT B
IP FIRE
IP WARP
2P FIRE
2P WARP
CATCH (4-C8)
SEND (4-D6)
SOUND(+) (G-5)
SOUND(-) (G-E)
H-INV(3-D2)(1-D6)
V-INV(4-C6)
IP/2P(4-D3)
BANK(D6)
RBNK(3-E4)
CBNK(1-B4)
RESPS5(4-C8)
DIP SW A
RRC
TAITO AMERICA PROJECTION

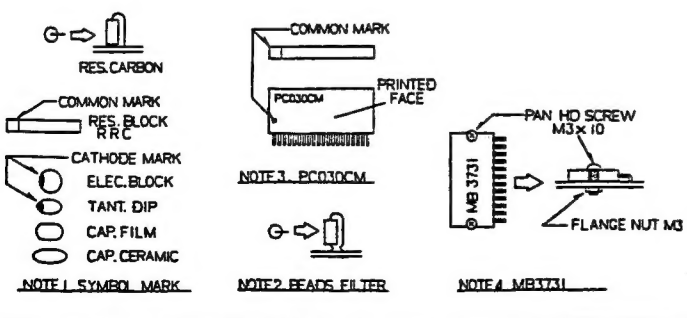

SD BUS
V-SYNC BUS
H-POS BUS
I-BUS
SCA BUS
ADDR BUS
59 74LS 374
61 74LS 283
60 74LS 283
36 74LS 374
58 2016 -100
57 2016 -100
47 74LS 298
48 74LS 298
49 74LS 298
50 74LS 298
42 74LS 245
64 27128/27256 -200
63 27128/27256 -200
62 27128/27256 -200
MBI12S 146
78
77
70 74LS 257
71 74LS 257
72 74LS 257
41 74LS 244
33 74LS 244
43 74LS 157
80 74LS 139
TAITO CORPORATION
MAIN PC BOARD
SCHEMATIC DIAGRAM
ARKANOID
DO NOT SCALE DRAWING
6.4.86
K. Mukai
6.9.86
T. Sugawara
A2
4-3



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

THIRD ANGLE PROJECTION	TAITO CORPORATION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES TOLERANCES	DRAWN 6.4.86
DESIGN K.Mibai	NAME MAIN PC BOARD SCHEMATIC DIAGRAM
CHECK 6.9.86 T.Sugawara	SIZE A2
APPROVED	DWG. NO. ARKANOID
DO NOT SCALE DRAWING	SHEET 4-4





108	ROM	B2002205A	P-ROM	A75-01 (27256-200)		1
107						
106	JP	C0700237A	TINND COPPER WIRE	1ø	30M	
105						
104	ST	G1600263A	PC BOARD STICKER	(K1100181A)		1
103						
102	L	C1101201A	BEADS FILTER	7BE503S-01TA		37
101						
100	TP	C0500403A	TEST POINT CHIP	1=7.8		1
99						
98	IS3	C0550090A	IC SOCKET	40P		1
97	IS2	C0550080A	"	28P		8
96	IS1	C0550033A	IC SOCKET	16P		3
95						
94	H	C0500034A	POST HEADER	5272-12		1
93						
92	DS	C0200117A	DIP SW	DSS-8		1
91						
90	ROM9	B2002202A	P-ROM	A75-09 (7621)		1
89	ROM8	B2002201A	"	A75-08 (7621)		1
88	ROM7	B2002200A	"	A75-07 (7621)		1
87	ROM6	B2002199A	"	A75-06 (P5)		1
86	ROM5	B2002198A	"	A75-05 (27256-200)		1
85	ROM4	B2002197A	"	A75-04 (")		1
84	ROM3	B2002196A	"	A75-03 (")		1
83	ROM2	B2002203A	"	A75-10 (")		1
82	ROM1	B2002204A	P-ROM	A75-01 (27256-200)		1
QTY	SYM	PARTS NO	DESCRIPTION			QTY

81	IC34	B1772529A	RESET IC	TL7700	1
80	IC33	B1772006A	P.S.G.	YM2149	1
79		P2600006A	FLANGE NUT	M3	2
78		P0600023A	PAN HD SCREW	M3x10	2
77	IC32	B1771606A	POWER AMP	MB3731	1
76					
75	IC31	B1670021A	COSTOM IC	PC0300M	1
74	IC30	B1670012A	COSTOM IC	MB1125146	2
73					
72	RAM3	B10X0028A	S-RAM	2018D-45	1
71	RAM2	B10X0019C	"	2016-100	2
70	RAM1	B10X0019A	S-RAM	6116P-3	1
69					
68	CPU	B08X2014C	C.P.U.	Z-80B	1
67					
66	IC29	B07X0584A	C-MOS	MC14554B	1
65					
64	IC28	B05X2074A	TTL IC	74F74	1
63	IC27	B05X2032A	"	74F32	1
62	IC26	B05X2008A	"	74F08	1
61	IC25	B04X0273A	"	74ALS273	2
60	IC24	B03X0017A	"	7417	1
59	IC23	B01X0669A	"	74LS669	4
58	IC22	B01X0393A	"	74LS393	1
57	IC21	B01X0374A	"	74LS374	6
56	IC20	B01X0373A	"	74LS373	1
55	IC19	B01X0298A	"	74LS298	6
54	IC18	B01X0283A	"	74LS283	2
53	IC17	B01X0273A	"	74LS273	1
52	IC16	B01X0257A	"	74LS257	5
51	IC15	B01X0245A	"	74LS245	1
50	IC14	B01X0244A	"	74LS244	4
49	IC13	B01X0174A	"	74LS174	1
48	IC12	B01X0161A	"	74LS161	4
47	IC11	B01X0157A	"	74LS157	4
46	IC10	B01X0155A	"	74LS155	1
45	IC9	B01X0139A	"	74LS139	1
44	IC8	B01X0086A	"	74LS86	4
43	IC7	B01X0074A	"	74LS74	6
42	IC6	B01X0032A	"	74LS32	2
41	IC5	B01X0027A	"	74LS27	1
40	IC4	B01X0020A	"	74LS20	2
39	IC3	B01X0008A	"	74LS08	3
38	IC2	B01X0004A	"	74LS04	2
37	IC1	B01X0000A	TTL IC	74LS00	1
36					
35	XTAL	A9000160A	X-TAL OSC	12MHz	1
34					
33	RRC	A2239003A	R.R.C.	480R-152P	4
32	RB	A2231081A	RES. NETWORK	4.7K 1/4W 9P	2
31					
30	VR	A2102411A	VR. B-5K	TMBK PV2	1
29					
28	R11	A2000470A	RES. CARBON	1 OHM 1/2W ±5%	2
27	R10	A2000113A	"	100K OHM 1/4W ±5%	1
26	R9	A2000103A	"	39K "	1
25	R8	A2000089A	"	10K "	3
24	R7	A2000082A	"	5.1K "	1
23	R6	A2000073A	"	22K "	3
22	R5	A2000065A	"	1K "	6
21	R4	A2000057A	"	470 "	6
20	R3	A2000049A	"	220 "	3
19	R2	A2000048A	"	200 "	1
18	R1	A2000041A	RES. CARBON	100 OHM 1/4W ±5%	1
17					
16	C11	A1320519A	TANT. DIP	25V 10μ	1
15	C10	A1320515A	TANT. DIP	25V 4.7μ	1
14					
13	C9	A1200123A	CAP. CERAMIC	25V 100000P	48
12	C8	A1200293A	"	50V 10000P	10
11	C7	A1200257A	"	" 330P	1
10	C6	A1200251A	CAP. CERAMIC	50V 180P	4
9					
8	C5	A1100170A	CAP. FILM	50V 0.1μ	2
7	C4	A1100147A	CAP. FILM	50V 0.0μ	1
6					
5	C3	A1000185A	ELEC. BLOCK	25V 8220μ	4
4	C2	A1000181A	"	" 100μ	2
3	C1	A1000169A	ELEC. BLOCK	25V 8 10μ	1
2					
1		J1100075A	MAIN PC BOARD		1

PARTS LIST

DO NOT SCALE DRAWING

TAITO CORPORATION

MAIN PC BOARD Assy

EXP. TAMCO LICENCE TO ROMSTAR

All K1100181A